

GenCore version 5.1.3  
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OM nucleic - nucleic search, using sw model

Run on: February 16, 2003, 17:00:49 ; Search time 194.042 Seconds  
(without alignments)  
10829.323 Million cell updates/sec

Title: US-09-497-967-102

Perfect score: 1410

Sequence: 1 atgaagaacaacatcctggt.....cttactacgtctgtaataa 1410

Scoring table: IDENTITY\_NUC

Gapop 10.0 , Gapext 1.0

Searched: 2773584 seqs, 745158349 residues

Total number of hits satisfying chosen parameters: 5547168

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Pending\_Patents\_NA\_New.\*

1: /cgn2\_6/ptodata/1/pna/PCT\_NEW\_COMB.seq.\*  
2: /cgn2\_6/ptodata/1/pna/US06\_NEW\_COMB.seq.\*  
3: /cgn2\_6/ptodata/1/pna/US07\_NEW\_COMB.seq.\*  
4: /cgn2\_6/ptodata/1/pna/US08\_NEW\_COMB.seq.\*  
5: /cgn2\_6/ptodata/1/pna/US09\_NEW\_COMB.seq.\*  
6: /cgn2\_6/ptodata/1/pna/US10\_NEW\_COMB.seq.\*  
7: /cgn2\_6/ptodata/1/pna/US60\_NEW\_COMB.seq.\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
C 1	35.8	2.5	2017	6	US-10-293-865-17
C 2	35.4	2.5	4863	1	PCT-1102-00904-30
C 3	34.4	2.4	584	5	US-09-531-113-11107
C 4	34.4	2.4	2110	6	US-10-225-567A-505
C 5	34.4	2.4	37716	1	PCT-US02-32727-48
C 6	34.4	2.4	37716	6	US-10-057-498-48
C 7	34.4	2.4	555	6	US-10-144-771-26535
C 8	34.4	2.4	1215	1	PCT-US02-40225-2140
C 9	34.4	2.4	1215	6	US-10-320-797-2140
C 10	33.8	2.4	6692	6	US-10-144-771-38397
C 11	33.6	2.4	849	5	US-09-724-676-19769
C 12	33.6	2.4	849	5	US-09-724-676-19769
C 13	33.6	2.4	2161	5	US-09-620-312D-1053
C 14	33.6	2.4	2194	1	PCT-US02-40718-11
C 15	33.6	2.4	2230	5	US-09-620-312D-1052
C 16	33.2	2.4	1009	6	US-10-144-779-651
C 17	33.2	2.4	1077	6	US-10-144-771-43535
C 18	33.2	2.4	1234	6	US-10-144-771-1344
C 19	33.2	2.4	3008	6	US-10-144-779-75
C 20	32.8	2.3	256	5	US-09-531-113-26707
C 21	32.8	2.3	495	5	US-09-531-113-3673
C 22	32.8	2.3	500	5	US-09-531-113-5605
C 23	32.8	2.3	1082	6	US-10-144-771-14722
C 24	32.8	2.3	3912	6	US-10-144-771-4901
C 25	32.6	2.3	537	7	US-60-436-643-2181
C 26	32.6	2.3	3606	6	US-10-144-771-41270

C 27	32.4	2.3	17014	6	US-10-144-771-30161
C 28	32.2	2.3	251	5	US-09-531-113-28384
C 29	32.2	2.3	5271	5	US-09-949-004-511
C 30	32.2	2.3	6315	5	US-09-949-004-615
C 31	32.2	2.3	6358	5	US-09-949-004-616
C 32	32.2	2.3	21003	6	US-10-017-161-1039
C 33	32	2.3	279	1	PCT-US02-40891-1483
C 34	32	2.3	432	5	US-09-513-999C-1867
C 35	32	2.3	1070	6	US-10-342-887-1353
C 36	32	2.3	1109	5	US-09-620-312D-775
C 37	32	2.3	21719	1	PCT-US02-32727-63
C 38	32	2.3	21719	6	US-10-057-498-63
C 39	31.8	2.3	250	5	US-09-531-113-22295
C 40	31.8	2.3	256	5	US-09-531-113-22293
C 41	31.8	2.3	995	6	US-10-316-754-8
C 42	31.8	2.3	1048	6	US-10-144-771-14346
C 43	31.8	2.3	5824	6	US-10-144-771-17297
C 44	31.6	2.2	1077	6	US-10-144-771-43209
C 45	31.6	2.2	1738	6	US-10-348-119-144

#### ALIGNMENTS

#### RESULT 1

US-10-293-865-17/c  
; Sequence 17, Application US/10293865  
; GENERAL INFORMATION:  
; APPLICANT: Nikolau, Basil J  
; APPLICANT: Wurtele, Eve S  
; APPLICANT: Oliver, David J  
; APPLICANT: Behal, Robert  
; APPLICANT: Schnable, Patrick S  
; APPLICANT: Ke, Jinshan  
; APPLICANT: Johnson, Jerry L  
; APPLICANT: Allred, Carolyn C  
; APPLICANT: Fatland, Beth  
; APPLICANT: Lutiger, Isabelle  
; APPLICANT: Wen, Tsui-Jung  
; TITLE OF INVENTION: Materials and Methods for the Alteration of Enzyme and  
; TITLE OF INVENTION: Acetyl CoA Levels in Plants  
; FILE REFERENCE: 217113  
; CURRENT APPLICATION NUMBER: US/10/293,865  
; PRIOR FILING DATE: 2002-11-13  
; PRIOR APPLICATION NUMBER: US 09/344,882  
; PRIOR FILING DATE: 1999-06-25  
; PRIOR APPLICATION NUMBER: US 60/090,717  
; PRIOR FILING DATE: 1998-06-26  
; NUMBER OF SEQ ID NOS: 38  
; SOFTWARE: PatentIn Ver. 3.1  
; SEQ ID NO 17  
; LENGTH: 2017  
; TYPE: DNA  
; ORGANISM: Arabidopsis Thaliana  
; FEATURE:  
; NAME/KEY: exon  
; LOCATION: (1)..(1000)  
; FEATURE:  
; NAME/KEY: exon  
; LOCATION: (1002)..(1508)  
; FEATURE:  
; NAME/KEY: exon  
; LOCATION: (1510)..(1519)  
; FEATURE:  
; NAME/KEY: exon  
; LOCATION: (1521)..(1531)  
; FEATURE:  
; NAME/KEY: exon  
; LOCATION: (1533)..(2017)  
US-10-293-865-17  
Query Match 2.5%; Score 35.8; DB 6; Length 2017;  
Best Local Similarity 54.1%; Pred. No. 3.6;



QY 127 AACTGTGTGAACTCTCAGAACTTCTACTACAAACGCTCCTCTTTCGTGGCTGGA 186  
DB 347 ACCTTCGTGTCCTCCCTGAGAACGGCTGGTGTGGGACACCCGTGGCTGCGTGGGAC 406  
QY 187 GCTTCTACCTGTATCCC 202  
DB 407 GGGTTTAGCGCAGCC 422

RESULT 5  
PCT-US02-32727-48/c

; Sequence 48, Application PC/TUS0232727  
; GENERAL INFORMATION:  
; APPLICANT: Mitcham, Jennifer  
; APPLICANT: Skeiky, Yasir  
; APPLICANT: Persing, David  
; APPLICANT: Bhatia, Ajay  
; APPLICANT: Maisonneuve, Jean Francois  
; APPLICANT: Zhang, Yanni  
; APPLICANT: Wang, Shiqing  
; APPLICANT: Jen, Shvian  
; APPLICANT: Lodes, Michael  
; APPLICANT: Benson, Darin  
; APPLICANT: Jones, Robert  
; APPLICANT: Carter, Darrick  
; APPLICANT: Barth, Brenda  
; APPLICANT: Douglass, John  
; TITLE OF INVENTION: Compositions and Methods for the Therapy and Diagnosis of Acnes  
; FILE REFERENCE: 210121.514c1  
; CURRENT APPLICATION NUMBER: PCT/US02/32727  
; CURRENT FILING DATE: 2002-10-11  
; NUMBER OF SEQ ID NOS: 30992  
; SEQ ID NO 48  
; LENGTH: 37716  
; TYPE: DNA  
; ORGANISM: Propionibacterium acnes  
PCT-US02-32727-48

Query Match 2.4%; Score 34.4; DB 1; Length 37716;  
Best Local Similarity 52.0%; Pred. No. 36;  
Matches 77; Conservative 0; Mismatches 71; Indels 0; Gaps 0;

QY 866 ACAAGGACTACGAGCTGAGGCTACCGCTGGAGAGCTGCTACCGCTGGCTAAGCAGTGTA 925  
DB 445 ACTCGCAACACCTATCTGCTGCCATCTTGGTGCGAGTTCCTATCATTTGATAGTGTGTC 386  
QY 926 ACATCGCTTGTCTGACGGAACCGCTATCGCTTCTGGAGCTACCAACTACGCTGATCGTGC 985  
DB 385 ATCTCGATGCTCGTTATTGATAAGGTAGGCGCTGATTCGTTCTTATCACGGGAATATCT 326  
QY 986 AGACCGAGTGTCTGAACCTGCTGCTAA 1013  
DB 325 ACGATGATTGACGCACTATCGTCTCA 298

RESULT 6  
US-10-057-498-48/c

; Sequence 48, Application US/10057498  
; GENERAL INFORMATION:  
; APPLICANT: Mitcham, Jennifer  
; APPLICANT: Skeiky, Yasir  
; APPLICANT: Persing, David  
; TITLE OF INVENTION: Compositions and Methods for the Therapy and Diagnosis of Acnes  
; FILE REFERENCE: 210121.514  
; CURRENT APPLICATION NUMBER: US/10/057,498  
; CURRENT FILING DATE: 2001-04-20  
; NUMBER OF SEQ ID NOS: 29212  
; SEQ ID NO 48  
; LENGTH: 37716  
; TYPE: DNA  
; ORGANISM: Propionibacterium acnes  
US-10-057-498-48

Query Match 2.4%; Score 34.4; DB 6; Length 37716;  
Best Local Similarity 52.0%; Pred. No. 36;  
Matches 77; Conservative 0; Mismatches 71; Indels 0; Gaps 0;  
QY 866 ACAAGGACTACGAGCTGAGGCTACCGCTGGAGGAGCTGCTACCGCTGGCTAAGCAGTGTA 925  
DB 445 ACTCGCAACACCTATCTGCTGCCATCTTGGTGCGAGTTCCTATCATTTGATAGTGTGTC 386  
QY 926 ACATCGCTTGTCTGACGGAACCGCTATCGCTTCTGGAGCTACCAACTACGCTGATCGTGC 985  
DB 385 ATCTCGATGCTCGTTATTGATAAGGTAGGCGCTGATTCGTTCTTATCACGGGAATATCT 326  
QY 986 AGACCGAGTGTCTGAACTGCTGCTAA 1013  
DB 325 ACGATGATTGACGCACTATCGTCTCA 298

RESULT 7

US-10-144-771-26535  
; Sequence 26535, Application US/10144771  
; GENERAL INFORMATION:  
; APPLICANT: Venter, J. Craig  
; TITLE OF INVENTION: HUMAN GENOME DISCOVERY SYSTEM AND USES THEREOF  
; FILE REFERENCE: CL001321  
; CURRENT APPLICATION NUMBER: US/10/144,771  
; CURRENT FILING DATE: 2002-05-15  
; NUMBER OF SEQ ID NOS: 47235  
; SEQ ID NO 26535  
; LENGTH: 555  
; TYPE: DNA  
; ORGANISM: HUMAN  
US-10-144-771-26535

Query Match 2.4%; Score 34; DB 6; Length 555;  
Best Local Similarity 59.2%; Pred. No. 6.8;  
Matches 58; Conservative 0; Mismatches 40; Indels 0; Gaps 0;

QY 1108 GGAACCGCTACCGCTGATCGCTCAGTGTGCTGTGGAGTGTCTGTGGAAACCGTGTGACC 1167  
DB 54 GGAACCTGGTTCACTGCTGCTATTCACCTCAGTGTGCGAACCATTTCAGGAACCGCTTAGC 113  
QY 1168 GACGGAAACCACTCTACCTACAGCAGGCTGCTCTGA 1205  
DB 114 TAAGGAACCATCACCAGTTACACATGAGTTTCTCTGGA 151

RESULT 8

PCT-US02-40225-2140  
; Sequence 2140, Application PC/TUS0240225  
; GENERAL INFORMATION:  
; APPLICANT: Elitra Pharmaceuticals, Inc.  
; APPLICANT: Eroshkin, Alexey M.  
; APPLICANT: Zamudio, Carlos  
; TITLE OF INVENTION: IDENTIFICATION OF ESSENTIAL GENES OF CRYPTOCOCCUS NEOFORMANS  
; FILE REFERENCE: 10182-021-228  
; CURRENT APPLICATION NUMBER: PCT/US02/40225  
; CURRENT FILING DATE: 2002-12-17  
; PRIOR APPLICATION NUMBER: 60/341,261  
; PRIOR FILING DATE: 2001-12-17  
; NUMBER OF SEQ ID NOS: 3361  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2140  
; LENGTH: 1215  
; TYPE: DNA  
; ORGANISM: Cryptococcus neoformans  
PCT-US02-40225-2140

Query Match 2.4%; Score 34; DB 1; Length 1215;  
Best Local Similarity 57.5%; Pred. No. 9.7;  
Matches 61; Conservative 0; Mismatches 45; Indels 0; Gaps 0;

Accession	Sequence	Position
QY	741 TGCTGCTGGAGTGAACAACACTGGGTGGCTCAGAACCCGAGTGTACCAACTGTGCTCTTAA	800
Db	429 TGGTATGTTTGTGTACAACTTGTGTGGAGGGATTACGACATGAGAACTACTCTTATGA	488
QY	801 CTTCTTACAACAACAAAGCTCCTTAACCTCAACCCCTGGAACACTTACC	846
Db	489 CGACGCTCAACGCTCAAGGTTGCTCAGTCCATTTGCCGAGATTTCTGCC	534

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RESULT 9
US-10-320-797-2140
; Sequence 2140, Application US/10320797
; GENERAL INFORMATION:
; APPLICANT: Eroshkin, Alexey M.
; APPLICANT: Zamudio, Carlos
; TITLE OF INVENTION: IDENTIFICATION OF ESSENTIAL GENES OF CRYPTOCOCCUS NEOFORMANS AND
; TITLE OF INVENTION: METHODS OF USE
; FILE REFERENCE: 10182-021-999
; CURRENT APPLICATION NUMBER: US/10/320,797
; CURRENT FILING DATE: 2002-12-16
; PRIOR APPLICATION NUMBER: 60/341,261
; PRIOR FILING DATE: 2001-12-17
; NUMBER OF SEQ ID NOS: 3361
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2140
; LENGTH: 1215
; TYPE: DNA
; ORGANISM: Cryptococcus neoformans
; US-10-320-797-2140

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RESULT 10
US-10-144-771-38397/c
; Sequence 38397, Application US/10144771
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig
; TITLE OF INVENTION: HUMAN GENOME DISCOVERY SYSTEM AND USES THEREOF
; FILE REFERENCE: CL001321
; CURRENT APPLICATION NUMBER: US/10/144,771
; CURRENT FILING DATE: 2002-05-15
; NUMBER OF SEQ ID NOS: 47235
; SEQ ID NO 38397
; LENGTH: 6692
; TYPE: DNA
; ORGANISM: HUMAN
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (1)...(6692)
; OTHER INFORMATION: n = A,T,C or G
US-10-144-771-38397

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3506 TTCTTACCATGAAGCCGCTCCCATTTGGTGAAACCAGGTCACCTTCCCCAGGC 3458

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RESULT 11
US-09-724-676-19769
; Sequence 19769, Application US/09724676
; GENERAL INFORMATION:
; APPLICANT: CompuGen LTD
; TITLE OF INVENTION: Variants of alternative splicing
; FILE REFERENCE: 129181.4 CompuGen
; CURRENT APPLICATION NUMBER: US/09/724,676
; CURRENT FILING DATE: 2000-11-28
; NUMBER OF SEQ ID NOS: 97222
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 19769
; LENGTH: 849
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-724-676-19769

```

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; APPLICANT: Zhao, Qing A.
; APPLICANT: Wehrman, Tom
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yunqing
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghast
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: Novel Nucleic Acids and
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: pt_FL_genes Version 1.0
; SEQ ID NO 1053
; LENGTH: 2161
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (99)..(1907)
US-09-620-312D-1053

Query Match
Best Local Similarity 2.4%; Score 33.6; DB 5; Length 2161;
Matches 48; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

QY 113 TGGGAACCCCTGCTAACTGTGTGAACCTGCAGAAAGAACTTCTACTACAACACAGCTGCTG 172
Db 568 TGGGACTCTCTGCTCCCTTTGTGGCAGGCCAGATGGACTGCTGCATGAACAACACAGCTG 627

QY 173 CTTTCGTGCGCTG 184
Db 628 TCTTCTTGCCAG 639

RESULT 14
PCT-US02-40718-11
; Sequence 11, Application PC/TUS0240718
; GENERAL INFORMATION:
; APPLICANT: KOH, Sang Seok
; APPLICANT: Liu, Qing
; APPLICANT: CHUNG, Hyun-Ho
; APPLICANT: ZENG, Wen
; APPLICANT: LEE, Bogman
; APPLICANT: YERRAMILI, Subrahmanyam
; APPLICANT: SONG, Si Young
; APPLICANT: Gene Logic, Inc.
; APPLICANT: LG Chem Ltd.
; TITLE OF INVENTION: GENE EXPRESSION PROFILES IN LIVER DISEASE
; FILE REFERENCE: 44921-5109-WO
; CURRENT APPLICATION NUMBER: PCT/US02/40718
; CURRENT FILING DATE: 2002-12-20
; PRIOR APPLICATION NUMBER: US 60/341,815
; PRIOR FILING DATE: 2001-12-21
; PRIOR APPLICATION NUMBER: US 60/343,185
; PRIOR FILING DATE: 2001-12-31
; NUMBER OF SEQ ID NOS: 109
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 2194
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: Genbank Accession No. Z48475

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PCT-US02-40718-11
Query Match
Best Local Similarity 2.4%; Score 33.6; DB 1; Length 2194;
Matches 48; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

QY 113 TGGGAACCCCTGCTAACTGTGTGAACCTGCAGAAAGAACTTCTACTACAACACAGCTGCTG 172
Db 602 TGGGACTCTCTGCTCCCTTTGTGGCAGGCCAGATGGACTGCTGCATGAACAACACAGCTG 661

QY 173 CTTTCGTGCGCTG 184
Db 662 TCTTCTTGCCAG 673

RESULT 15
US-09-620-312D-1052
; Sequence 1052, Application US/09620312D
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Liu, Chenghua
; APPLICANT: Asundi, Vinod
; APPLICANT: Zhang, Jie
; APPLICANT: Ren, Feiyan
; APPLICANT: Chen, Rui-hong
; APPLICANT: Zhao, Qing A.
; APPLICANT: Wehrman, Tom
; APPLICANT: Xue, Aidong J.
; APPLICANT: Yang, Yonghong
; APPLICANT: Wang, Jian-Rui
; APPLICANT: Zhou, Ping
; APPLICANT: Ma, Yunqing
; APPLICANT: Wang, Dunrui
; APPLICANT: Wang, Zhiwei
; APPLICANT: John Tillinghast
; APPLICANT: Drmanac, Radoje T.
; TITLE OF INVENTION: Novel Nucleic Acids and
; FILE REFERENCE: 784CIP2B
; CURRENT APPLICATION NUMBER: US/09/620,312D
; CURRENT FILING DATE: 2000-07-19
; PRIOR APPLICATION NUMBER: 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: 09/488,725
; PRIOR FILING DATE: 2000-01-21
; NUMBER OF SEQ ID NOS: 1105
; SOFTWARE: pt_FL_genes Version 1.0
; SEQ ID NO 1052
; LENGTH: 2230
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (99)..(1976)
US-09-620-312D-1052

Query Match
Best Local Similarity 2.4%; Score 33.6; DB 5; Length 2230;
Matches 48; Conservative 0; Mismatches 24; Indels 0; Gaps 0;

QY 113 TGGGAACCCCTGCTAACTGTGTGAACCTGCAGAAAGAACTTCTACTACAACACAGCTGCTG 172
Db 637 TGGGACTCTCTGCTCCCTTTGTGGCAGGCCAGATGGACTGCTGCATGAACAACACAGCTG 696

QY 173 CTTTCGTGCGCTG 184
Db 697 TCTTCTTGCCAG 708

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Search completed: February 17, 2003, 01:57:28  
Job time : 308.042 secs

